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PHOTOGRAPHIC INTERPRETATION REPORT

OAK
MISSION 1015-1
20-24 DECEMBER 1964



CIA



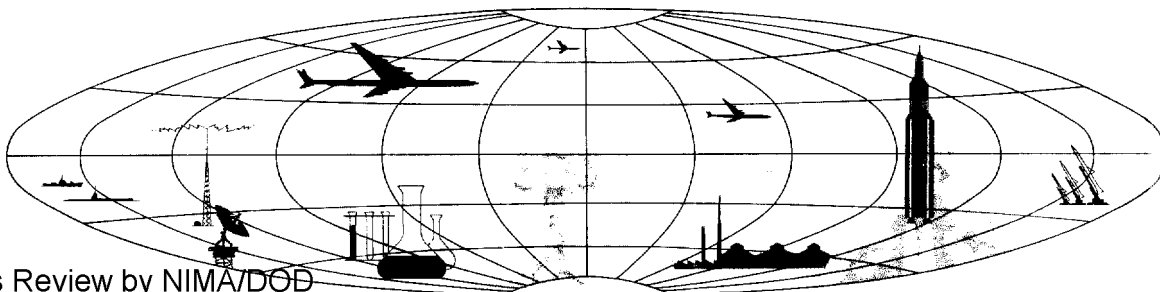
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OAK

MISSION 1015-1

PREFACE

THIS IS THE FIRST AND ONLY OAK REPORT ON MISSION 1015-1 AND PROVIDES INFORMATION ON THOSE COMMITTEE ON OVERHEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS OBSERVED ON MISSION 1015-1 ARE LISTED IN THE INDEX OF THIS REPORT.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AFT CAMERA. ABSENCE OF THESE LETTERS INDICATES THAT THESE ARE FRAME AND INDEX NUMBERS. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), H (HAZE), CS (CLOUD SHADOW), HC (HEAVY CLOUD COVER), SC (SCATTERED CLOUD COVER), SD (SEMI DARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERAL DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS.

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Highlights

HIGHLIGHTS

1. ICBM COMPLEXES

COVERAGE OF THE 24 KNOWN DEPLOYED ICBM COMPLEXES AND TYURATAM MISSILE TEST CENTER ON MISSION 1015-1 IS AS FOLLOWS --
ALEYSK, DROVYANAYA, GLADKAYA, ITATKA, KARTALY, OMSK, PERM, TEYKOVO, YOSHKAR-OLA, AND ZHANGIZ-TOBE ARE COVERED BY CLOUD-FREE PHOTOGRAPHY, HOWEVER, IN SOME CASES GROUND SNOW, HAZE, OR SHADOWS HINDER A DETAILED READOUT.
DOMBAROVSKIY, KOSTROMA, OLOVYANNAYA, AND SVOBODNYI ARE COVERED BUT DETAILS ARE OBSCURED BY SCATTERED CLOUDS, HAZE, AND GROUND SNOW. ALL OTHER DEPLOYED COMPLEXES AND TYURATAM MTC ARE EITHER CLOUD COVERED OR NOT COVERED.

25X1A

2. OLOVYANNAYA ICBM COMPLEX [REDACTED]

TWO NEWLY IDENTIFIED SINGLE SILOS HAVE BEEN ADDED TO LAUNCH GROUP D. THESE ARE DESIGNATED D11 AND D12, AND MAKE A TOTAL OF 12 SINGLE SILOS AT LAUNCH GROUP D.

25X1A

3. KARTALY ICBM COMPLEX [REDACTED]

THIS COMPLEX NOW CONTAINS 6 LAUNCH AREAS DESIGNATED A THROUGH F. LAUNCH AREAS D, E, AND F ARE NEWLY IDENTIFIED ON THIS MISSION.

4. SHUANG-CHENG-TZU MISSILE TEST CENTER [REDACTED]

THE CENTER IS COVERED BY CLEAR PHOTOGRAPHY EXCEPT FOR THE AIRFIELD. THE ONLY ACTIVITY NOTED IS AT SITE A, SAM LAUNCH AREA.

25X1A

5. AMM/SAM ACTIVITY

NO CHANGE IS OBSERVED THROUGH HAZE AND GROUND SNOW AT THE CHEREPOVETS SUSPECT AMM/SAM LAUNCH COMPLEX. AT ANGARSK, CONSTRUCTION CONTINUES ON THE DUAL HENHOUSE-TYPE STRUCTURES. THE ACTIVITIES AT TALLINN, OLENEGORSK, LENINGRAD AND ANTIPINSKOYE ARE NOT COVERED.

6. LAN-CHOU SAM SITE B19-2 (MISSILE BONUS)

THIS SITE, LOCATED 17 NM SSW OF LAN-CHOU AT 035-47N 103-44E WAS NEWLY IDENTIFIED AND ACCEPTED AS A COMPLETED SITE ON [REDACTED]
[REDACTED] IT IS NOW ABANDONED AND IS DROPPED FROM THE NPIC LISTINGS OF ACTIVE MISSILE SITES. NO NEW MISSILE SITES WERE FOUND AS THE RESULT OF A 25-NM RADIUS AREA SEARCH AROUND LAN-CHOU, HOWEVER, A HOLIDAY IN PHOTOGRAPHIC COVERAGE PRECLUDES NEGATION OF THIS SEARCH AREA.

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7. ROCKET ENGINE TEST FACILITIES

THE TEST FACILITIES AT PERM, OMSK, AND KRASNOYARSK SHOW EVIDENCE OF CURRENT TEST ACTIVITY INDICATED BY BLAST MARKS AT TEST STANDS. THE ACTIVITY AT PERM IS THE FIRST EVIDENCE THAT THIS FACILITY IS OPERATIONAL.

25X2

STATUS OF COMOR TARGET READOUT

SEVENTY-FOUR TARGETS WERE OBSERVED IN THE OAK REPORTING PERIOD AND ARE LISTED IN THE INDEX AT THE CONCLUSION OF THIS REPORT.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES --

TABLE 1 -- SOVIET ICBM DEPLOYMENT
TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT
TABLE 3 -- SAM AND AMM DEPLOYMENT
TABLE 4 -- NUCLEAR ENERGY ACTIVITY
TABLE 5 -- AIRCRAFT ACTIVITY
TABLE 6 -- SUBMARINE ACTIVITY
TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES

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| Complex | Launch Area | | | | | | | | | | | | | | Total Soft Sites | Total Hard Sites | Total Launch Positions | | |
|--|-------------|-----|-----|------|-----|-----|-----|-----|---|---|---|---|---|---|------------------|------------------|------------------------|-----|-----|
| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | | | | | |
| Aleysk | (M) | (M) | (M) | (M) | (M) | (M) | | | | | | | | | | 6 | 6 | | |
| Dombarovskiy | (M) | (M) | (M) | M | (E) | | | | | | | | | | | 5 | 5 | | |
| Drovyanaya | (C) | (C) | (C) | (C) | (C) | C | | | | | | | | | | 3 | 15 | | |
| Gladkaya | (C) | (C) | | (C) | | | | | | | | | | | | 2 | 7 | | |
| Imeni Gastello | M | M | M | M | M | M | | | | | | | | | | 6 | 6 | | |
| Iutka | (C) | (C) | (C) | | | | | | | | | | | | | 3 | 6 | | |
| Kartaly | (M) | (M) | (M) | (M) | (M) | (M) | | | | | | | | | | 6 | 6 | | |
| Kostroma | C | C | C | C | C | (C) | C | M | | | | | | | | 6 | 18 | | |
| Kozelsk | C | C | | C | C | C | | | | | | | | | | 3 | 12 | | |
| Novosibirsk | C | C | L | C | C | | | | | | | | | | | 3 | 12 | | |
| Olovyannaya | (C) | (C) | (L) | (M)* | | | | | | | | | | | | 15 | 21 | | |
| Omsk | (C) | | | | | | | | | | | | | | | 1 | 3 | | |
| Perm | (C) | (C) | (C) | (C) | (C) | (C) | | | | | | | | | | 5 | 18 | | |
| Plesetsk* | C | C | C | C | C | C | E | E | | | | | | | | *10*** | 19 | | |
| Shadrinsk | C | C | L | | | | | | | | | | | | | 3 | 9 | | |
| Svobodnyy | (C) | (C) | (C) | (C) | C | (C) | (C) | (C) | | | | | | | | 7 | 17 | | |
| Teykovo | (C) | (C) | (C) | (C) | (C) | (C) | | | | | | | | | | 6 | 12 | | |
| Tyumen | C | | C | | | | | | | | | | | | | 2 | 4 | | |
| Uzhur | M | M | M | M | M | M | | | | | | | | | | 6 | 6 | | |
| Verkhnyaya Salda | C | C | C | C | C | C | C | C | C | | | | | | | 7 | 20 | | |
| Yedrovo | C | C | C | C | C | C | C | | C | | | | | | | 6 | 18 | | |
| Yoshkar-Ola | (C) | (C) | (C) | (C) | (C) | (C) | | | | | | | | | | 6 | 12 | | |
| Yurya | C | C | C | C | C | C | C | C | C | C | C | | | | | 8 | 25 | | |
| Zhangiz-Tobe | (M) | (M) | (M) | (M) | (M) | | | | | | | | | | | 5 | 5 | | |
| Construction Status (C-complete, L-late, M-mid, E-early) | | | | | | | | | | | | | | | | Deployment Total | 77 | 73 | 277 |
| Tyuratam MTC | C | C | C | C | C | C | L | C | M | M | M | | | | | 10 | 9 | 35 | |
| Grand Total | | | | | | | | | | | | | | | | 57 | 62 | 312 | |

*Includes Launch Points I-IV, complete **Carried as Launch Group ***Total does not include two SSM pads at Launch Area F
- Includes 34 single silos (6-Aleysk, 5-Dombarovskiy, 6-Imeni Gastello, 6-Kartaly, 12-Olovyannaya, 5-Tyuratam MTC, 6-Uzhur, 8-Zhangiz-Tobe)

□ Newly identified
○ Covered by current mission

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Table 2. Soviet MRBM and IRBM Deployment

| Geographic Area | Soft MRBM Launch Areas | Soft IRBM Launch Areas | Hard MRBM Launch Areas | Hard IRBM Launch Areas | Total Launch Areas | Total Launch Positions |
|-----------------|------------------------|------------------------|------------------------|------------------------|--------------------|------------------------|
| Western | 121 | 11 | 18 | 11 | 161 | 633 |
| Caucasus | 3 | | 2 | 3 | 8 | 29 |
| Central Asia | 2 | 3 | 1 | 4 | 10 | 36 |
| Far Eastern | 11 | 1 | | 2 | 14 | 54 |
| Totals | 137 | 15 | 21 | 20 | 193 | 752 |

Totals do not include 71 fixed field-type sites with total of 259 launch positions and one launch facility at Sovetskaya Gavan.

Table 3. SAM and AMM Deployment

| | Country | | | | | | | | | | | | | | Totals |
|------------------------|---------|---------|----------|----------------|---------|--------|---------|------------|-------|-------------|-----------|-------|------|-------|--------|
| | USSR | Albania | Bulgaria | Czechoslovakia | Hungary | Poland | Rumania | Yugoslavia | China | North Korea | Indonesia | Egypt | Cuba | India | |
| SA-0 | 13 | | | | | | | | | | | | | | 13 |
| SA-1 | 56 | | | | | | | | | | | | | | 56 |
| SA-2 | 979* | 1 | 19 | 22 | 47 | 16 | 30 | 18 | 3 | 11 | 2 | 4 | 13* | 24** | 1190 |
| SA-3 | 107 | | | | | 1 | | | | | | | | | 108 |
| SAM support facilities | 196 | 1 | 4 | 5 | 3 | 3 | 6 | 2 | 1 | | 1 | 4 | 6 | | 232 |
| Probable AMM complexes | 3 | | | | | | | | | | | | | | 3 |
| AMM/SAM complexes | 2*** | | | | | | | | | | | | | | 2 |

*Does not include 8 alternate sites. (4 in USSR; 4 in Egypt)

***Includes 1 suspect complex.

**Does not include 22 abandoned sites.

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Table 5. AIRCRAFT ACTIVITY

| Airfield | Previous Significant Aircraft Count | | | | | | | | | | | | | | Observed this Mission | | | | | | | | | | | | | |
|-------------------------|-------------------------------------|------|--------|---------|---------|---------------|--------|---------|--------|---------|---------|---------|--------|--------|-----------------------|------|--------|---------|---------|----------|--------|---------|--------|---------|---------|---------|--------|--------|
| | BISON | BEAR | BADGER | BLUNDER | BOUNDER | MANDRAKE | MULLOW | FODDLER | FITTER | FISHBED | FISHBUT | FIREBAR | BREWER | TOTALS | BISON | BEAR | BADGER | BLUNDER | BOUNDER | MANDRAKE | MULLOW | FODDLER | FITTER | FISHBED | FISHBUT | FIREBAR | BREWER | TOTALS |
| Akhutinsk/Vladimirovka | 18/B | 22 | 5 | | | | | | | | | | | 32 | | | | | | | | | | | | | | |
| Alaksseyevka | 2 | 43 | 11 | 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| Anisovo/Gorodishche | | 38 | | | | | | | | | | | | 38 | | | | | | | | | | | | | | |
| Arkhangelsk/Kholm* | | | | | | | | | | | | | | 0 | | | | | | | | | | | | | | |
| Artem North | | 30 | | | | | | | | | | | | 30 | | | | | | | | | | | | | | |
| Baranovich* | | 24 | 54 | | | | | | | | | | | 29 | | | | | | | | | | | | | | |
| Belaya | | 57 | | | | | | | | | | | | 57 | | | | | | | | | | | | | | |
| Belaya Tserkov | 6 | 63 | | | | | | | | | | | | 69 | | | | | | | | | | | | | | |
| Boharysk* | | 38 | | | | | | | | | | | | 38 | | | | | | | | | | | | | | |
| Borzya NB | | 71 | | | | | | | | | | | | 8 | | | | | | | | | | | | | | 9 |
| Bykhov* | | 37 | | | | | | | | | | | | 37 | | | | | | | | | | | | | | |
| Chepelevka* | | 39 | | | | | | | | | | | | 39 | | | | | | | | | | | | | | |
| Chernovo-Glinskoye | | 10 | | | | | | | | | | | | 10 | | | | | | | | | | | | | | |
| Dolon* | 21 B, B | 36 | | | | | | | | | | | | 38 | | | | | | | | | | | | | | |
| Engels* | 35 | 11 | | | | | | | | | | | | 56 | | | | | | | | | | | | | | |
| Gusev Pribytki | | 9 | 36 | | | | | | | | | | | 15 | | | | | | | | | | | | | | |
| Kalinia* | | 52 | | | | | | | | | | | | 52 | | | | | | | | | | | | | | |
| Kaliningrad/Proveron | | 10 | 47 | | | | | | | | | | | 47 | | | | | | | | | | | | | | |
| Karamkut | | 27 | | | | | | | | | | | | 27 | | | | | | | | | | | | | | |
| Kazan A/C Pt 22 | | 3 | 11 | | | | | | | | | | | 26 | | | | | | | | | | | | | | |
| Khorol East | | 41 | 61 | 3 | | | | | | | | | | 0 | | | | | | | | | | | | | | |
| Mul Yavr | | 71 | | | | | | | | | | | | 7 | | | | | | | | | | | | | | |
| Melitopol | | 8 | | | | | | | | | | 2 | | 10 | | | | | | | | | | | | | | |
| Minsk Machulishche* | | | | | | (NO AIRCRAFT) | | | | | | | | 0 | | | | | | | | | | | | | | |
| Mirgorod | | 34 | | | | | | | | | | | | 34 | | | | | | | | | | | | | | |
| Moscow/Ramenskoye | 6 | 15 | 18 | 5 | 1 | | 31 | | | | | | | 36 | | | | 11 | | | | | | | | | | 1 |
| Mozdok* | | | | | | (NO AIRCRAFT) | | | | | | | | 0 | | | | | | | | | | | | | | |
| Nezhin | | 23 | | | | | | | | | | | | 23 | | | | | | | | | | | | | | |
| Nikolayev Kalbakino | | 51 | | | | | | | | | | | | 51 | | | | | | | | | | | | | | |
| Oktyabskoye | | | | | | | | | | | | | | 0 | | | | | | | | | | | | | | |
| Olenogorsk | | 10 | | | | | | | | | | | | 10 | | | | | | | | | | | | | | |
| Orsha Southwest* | | 35 | | | | | | | | | | | | 35 | | | | | | | | | | | | | | |
| Ostrov Gorokhovka | | 26 | | | | | | | | | | | | 26 | | | | | | | | | | | | | | |
| Petrogavlovsk/Yelizovo | | | | | | | | | | | | | | 0 | | | | | | | | | | | | | | |
| Poltava* | | 61 | | | | | | | | | | | | 61 | | | | | | | | | | | | | | |
| Priluki* | | 27 | | | | | | | | | | | | 27 | | | | | | | | | | | | | | |
| Romanovka West | | 20 | | | | | | | | | | | | 24 | | | | | | | | | | | | | | |
| Ryazan Dyagilevo | 54 | 17 | | | | | | | | | | | | 22 | | | | | | | | | | | | | | |
| Suki | B, B | 32 | 5 | | | | | | | | | | | 27 | | | | | | | | | | | | | | |
| Surabuz | | 18 | | | | | | | | | | | | 18 | | | | | | | | | | | | | | |
| Severomorsk | | 2 | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| Simulini* | 21 B, B | | | | | | | | | | | | | 22 | | | | | | | | | | | | | | |
| Solesy* | | 27 | | | | | | | | | | | | 27 | | | | | | | | | | | | | | |
| Spassk Dalniy East | | 21 | | | | | | | | | | | | 24 | | | | | | | | | | | | | | |
| Stroy* | | 34 | | | | | | | | | | | | 30 | | | | | | | | | | | | | | |
| Tarta | | 30 | | | | | | | | | | | | 30 | | | | | | | | | | | | | | |
| Ukraine* | | 28 | | | | | | | | | | | | 28 | | | | | | | | | | | | | | |
| Ussuriysk Vozdvizhenka* | B, B | | | | | | | | | | | | | 42 | | | | | | | | | | | | | | |
| Zhitomir/Skomorokhi* | | 56 | | | | | | | | | | | | 56 | | | | | | | | | | | | | | |
| Zhitomir/Skomorokhi* | | 2 | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| TOTALS | | 86 | 1024 | 113 | 1 | | 3 | 1 | 2 | 1346 | | | | 0 | | | 1 | | | | | | | | | | | 10 |

† POSSIBLE ‡ PROBABLE **BADGER/CAMEL ***PLUS † BADGER/CAMEL/COOKPOT B/C BEAR/CLEAT

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Table 6. Submarine Activity.

| Base | Previous Submarine Count | | | | | | | | | | | | | Observed this Mission | | | | | | | | | | | | |
|------------------------------|--------------------------|---------------|--------------|--------------------|--------------|----------------|--------------|-------------|-------------|-------------|-------------|-------------|------------------|-----------------------|---------------|--------------|--------------------|--------------|-----------------|--------------|-------------|-------------|-------------|-------------|-------------|------------------|
| | SSBN, R-class | SSGN, E-class | SSB, G-class | SSB, Z-conversions | SSG, J-class | SSG, W-Longfin | SSW, X-class | SS, F-class | SS, Z-class | SS, R-class | SS, W-class | SS, O-class | SS, Unidentified | SSN, R-class | SSGN, E-class | SSB, G-class | SSB, Z-conversions | SSG, J-class | SSG, W-LONG FIN | SSW, X-class | SS, F-class | SS, Z-class | SS, R-class | SS, W-class | SS, O-class | SS, Unidentified |
| Balaklava | | | | | | | | 5† W/R | | | | | 5 | | | | | | | | | | | | | |
| Dunay | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | |
| Gorkiy | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | |
| Kronshtadt | | | | | | | | | | | | 9 | 9 | | | | | | | | | | | | | |
| Komsomol'sk | | | | | | | | | | | | | 0 | | | | | | | | | | | | | |
| Leningrad | | | | | | | | | | | | 5† | 5 | | | | | | | | | | | | | |
| Liepaya | | | | | | | | 12 W/R | | | | 4† | 16 | | | | | | | | | | | | | |
| Litsa Bay | | | | | | | | | | | | 4 | 4 | | | | | | | | | | | | | |
| Magadan | | | | | | | | | | 3† | | | 3 | | | | | | | | | | | | | |
| Olenya Guba | | | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | |
| Pechenga | | | | | | | | 2 W/R | | | | 4† | 7 | | | | | | | | | | | | | |
| Petropavlovsk Kamchatskiy | | 2† | | | 1† | 5† F/Z | 3† W/R | 4† | | | | 2† | 17 | | | | | | | | | | | | | |
| Petrovka | 3† | | | | | | 3† W/R | | | | | | 6 | | | | | | | | | | | | | |
| Polyarnyy | | | | | | | | | | | | 10 | 10 | | | | | | | | | | | | | |
| Riga | | | | | | | 1† W/R | | | | | | 1 | | | | | | | | | | | | | |
| Rosta | | 5† | | | | 3†, 1† F/Z | 4† | | | | | 6 | 20 | | | | | | | | | | | | | |
| Sayda Guba | | | | | | | 1† | | | | | | 6 | | | | | | | | | | | | | |
| Sevastopol | | | | | 1 | | | | | | | 9 | 10 | | | | | | | | | | | | | |
| Severodvinsk | | | | | | | | | | | | 3† | 3 | | | | | | | | | | | | | |
| Severomorsk | | 1† | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Sovetskaya Gavan | | | | | | | 3 W/R | 4† | | | | | 7 | | | | | | | | | | | | | |
| Strelak Strait | 2† | | | | | | | | | | | 1 | 1† | | | | | | | | | | | | | |
| Tallinn | | | | | | | | | | | | | 0 | | | | | | | | | | | | | |
| Ura Guba | | | | | | | 5† W/R | 6† | | | | 4† | 15 | | | | | | | | | | | | | |
| Vladimir | | | | | | | | 3† | | | | | 3 | | | | | | | | | | | | | |
| Vladivostok | | | | | | | | | | | | | 0 | | | | | | | | | | | | | |
| Yokanga | | | | | | | | 4† | | | | | 1 | | | | | | | | | | | | | |
| TOTALS | 5 | 5 | | 1 | | 1 | 9 F/Z | 12 | | | | 57 | 1 | 162 | | | | | | | | | | | | |

38 W/R

NONE OBSERVED

25X1D

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Missiles

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MISSILES

25X1A [] YOSHKAR-OLA ICBM COMPLEX UR 5634N 04803E

ENTIRE COMPLEX COVERED BY FAIR-TO-GOOD QUALITY
STEREO PHOTOGRAPHY.

NO APPARENT CHANGES AT THE COMPLEX SUPPORT FACILITY,
RAIL-TO-ROAD TRANSFER POINT, COMMUNICATION
FACILITY, OR LAUNCH AREAS A (SITE 1), B (SITE 2),
C (SITE 3), D (SITE 4), E (SITE 5), AND F (SITE 6)

25X1D

[]
NO ANTENNAS CAN BE IDENTIFIED AT THE NEW POSSIBLE
HF COMMUNICATIONS SITE BETWEEN LAUNCH AREAS C AND D.

NO ABM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS.

25X1D

[]

25X1A [] SVOBODNY ICBM COMPLEX UR 5146N 12807E

COMPLEX COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY.

25X9

NO SIGNIFICANT CHANGE OBSERVED AT []
[] COMMUNICATION SITE, OR LAUNCH AREAS A
(SITE 3), B (SITE 1), D (SITE 4), F (SITE 5),
AND H (SITE 8) SINCE [] AT
LAUNCH AREA C (SITE 2) ONLY THE LEFT PAD APPEARS TO
HAVE AN OBJECT ERECTED ON IT.

25X9

25X1D

COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER
POINT, AND LAUNCH AREA E (SITE 6) ARE CLOUD
COVERED, AND LAUNCH AREA G (SITE 7) AND UNIDENTIFIED
AREA BETWEEN LAUNCH AREAS G AND E ARE
IDENTIFIED ONLY.

NO ABM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS
OF THE COMPLEX.

25X1D

[]

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25X1A [] DROVYANAYA ICBM COMPLEX UR 5131N 11300E

ENTIRE COMPLEX COVERED BY FAIR-TO-POOR QUALITY
STEREO PHOTOGRAPHY.

NO SIGNIFICANT CHANGE OBSERVED AT COMPLEX SUPPORT
FACILITY, RAIL-TO-ROAD TRANSFER POINT, OR LAUNCH
AREAS A (SITE 1), B (SITE 2), C (SITE 4),
D (SITE 3), E (SITE 5), AND F (SITE 6) SINCE

25X1D [] UNIDENTIFIED AREA NORTHEAST
OF THE COMPLEX SUPPORT FACILITY, NEAR THE TOWN OF
DROVYANAYA, IS BARELY VISIBLE.

NO ABM ACTIVITY OBSERVED WITHIN 50-NM RADIUS
SEARCH AREA.

25X1D []

25X1A [] KOSTROMA ICBM COMPLEX UR 5746N 04101E

COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD
TRANSFER POINT, AND LAUNCH AREA F (SITE 6)
ARE IDENTIFIED ONLY. LAUNCH AREAS A
(SITE 1), B (SITE 2), C (SITE 3),
D (SITE 4), E (SITE 5), G (SITE 7), AND
H (SITE 8) ARE CLOUD COVERED.

NO ABM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS
OF EASTERN HALF OF A 50-NM RADIUS SEARCH
AREA. WESTERN HALF NOT COVERED BY PHOTOGRAPHY.
AREA IS 80 PERCENT CLOUD COVERED.

25X1D []

25X1A [] ITATKA ICBM COMPLEX UR 5650N 08536E

COMPLEX COVERED BY FAIR-QUALITY STEREO
PHOTOGRAPHY WITH GROUND SNOW COVER.

NO SIGNIFICANT CHANGES OBSERVED AT THE COMPLEX
SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT,
LAUNCH AREA A (SITE 1), LAUNCH AREA B (SITE 2),
LAUNCH AREA C (SITE 3), OR THE UNIDENTIFIED ACTIVITY
EAST OF THE COMPLEX SUPPORT FACILITY SINCE

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25X1D [REDACTED] NO NEW CONSTRUCTION
ACTIVITY OBSERVED.

NO ABM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS
SEARCH AREA.

25X1D [REDACTED]

25X1A [REDACTED] OMSK ICBM COMPLEX UR 5503N 07330E

ENTIRE COMPLEX COVERED BY GOOD QUALITY STEREO
PHOTOGRAPHY.

NO APPARENT CHANGE OBSERVED AT COMPLEX SUPPORT
FACILITY, RAIL-TO-ROAD TRANSFER POINT, LAUNCH AREA A
(SITE 1), OR UNIDENTIFIED AREAS NORTH AND SOUTH OF
THE TRANSFER POINT SINCE [REDACTED]

25X1D

NO ABM ACTIVITY OBSERVED IN EASTERN 50 PERCENT OF
50-NM RADIUS SEARCH AREA. WESTERN 50 PERCENT
NOT COVERED BY PHOTOGRAPHY.

25X1D [REDACTED]

25X1A [REDACTED] PERM ICBM COMPLEX UR 5742N 05619E

COMPLEX IS COVERED BY GOOD QUALITY, STEREO
PHOTOGRAPHY.

NO APPARENT CHANGE IN THE COMPLEX SUPPORT FACILITY,
RAIL-TO-ROAD TRANSFER POINT, LAUNCH AREAS B (SITE 2),
C (SITE 3), D (SITE 6), E (SITE 5), AND THE
UNIDENTIFIED AREA OF CONSTRUCTION ACTIVITY
BETWEEN LAUNCH AREAS D AND F SINCE MISSION

25X1D [REDACTED]

LAUNCH AREA A (SITE 1), A TYPE IIB LAUNCH SITE
COMPLETED SINCE [REDACTED] CONTAINS
A NEWLY IDENTIFIED, COMPLETED MISSILE-READY
BUILDING IN LINE AND DIRECTLY BEHIND THE RIGHT
PAD ABOUT 700 FT. A THIRD COMPLETED CENTER
BUILDING, ADJACENT TO THE LOOP ROAD, HAS ALSO
BEEN DETECTED. THERE IS EVIDENCE THAT CONSTRUCTION
STARTED ON THESE 2 BUILDINGS AS EARLY AS

25X1D

TOP SECRET CHESS RUFF

25X1D [REDACTED] HOWEVER, LACK OF GOOD
QUALITY, STEREO PHOTOGRAPHY PREVENTED THEIR
IDENTIFICATION.

LAUNCH AREA F (SITE 4) NOW APPEARS TO BE COMPLETE.
THE LEFT SILO IS OPEN. THE LOOP ROAD AND

25X9

[REDACTED]
NO ABM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS OF
THE COMPLEX.

25X1D

[REDACTED]

25X1A

[REDACTED] TEYKOVO ICBM COMPLEX UR 5652N 04035E

ENTIRE COMPLEX COVERED BY GOOD QUALITY STEREO
PHOTOGRAPHY.

NO SIGNIFICANT CHANGE OBSERVED IN COMPLEX SUPPORT
FACILITY, RAIL-TO-ROAD TRANSFER POINT, OR LAUNCH
AREAS A (SITE 1), B (SITE 2), C (SITE 3),
D (SITE 4), E (SITE 5), AND F (SITE 6) SINCE

25X1D

[REDACTED]

NO ABM ACTIVITY OBSERVED WITHIN 50-NM RADIUS
SEARCH AREA.

25X1D

[REDACTED]

25X1A

[REDACTED] GLADKAYA ICBM COMPLEX UR 5605N 09213E

ENTIRE COMPLEX COVERED BY GOOD QUALITY STEREO
PHOTOGRAPHY.

NO SIGNIFICANT CHANGE APPARENT AT COMPLEX
SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER
POINT, OR LAUNCH AREAS A (SITE 3), B (SITE 2),
AND D (SITE 5).

NO ABM ACTIVITY OBSERVED WITHIN 50-NM
RADIUS SEARCH AREA.

25X1D

[REDACTED]

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25X1A [] NOVOSIBIRSK ICBM COMPLEX UR 5515N 08259E

COMPLEX NOT COVERED BY PHOTOGRAPHY.

NO ABM ACTIVITY OBSERVED IN EASTERN 50 PERCENT
OF 50-NM RADIUS SEARCH AREA. WESTERN 50 PERCENT
NOT COVERED.

25X1D

[]

25X1A [] OLOVYANNAYA ICBM COMPLEX UR 5049N 11550E

ENTIRE COMPLEX IS COVERED BY FAIR QUALITY
STEREO PHOTOGRAPHY WITH GROUND SNOW COVER.

THERE ARE NO SIGNIFICANT CHANGES AT THE COMPLEX
SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT,
OR LAUNCH AREAS A (SITE 1) AND C (SITE 3). LAUNCH
AREA B (SITE 2) NOW APPEARS TO BE COMPLETE WITH
A SEPARATE RIM FACILITY JUST OFF THE ACCESS
ROAD SOUTH OF THE LAUNCH SITE. TWO NEWLY IDENTIFIED
SINGLE SILOS HAVE BEEN ADDED TO LAUNCH GROUP D,
MAKING A TOTAL OF 12 SINGLE SILOS AT LAUNCH GROUP
D (D1-D12). GROUND SNOW COVER OBLITERATES
DETAILS OF THE SINGLE SILO SITES MAKING IT
IMPOSSIBLE TO DETERMINE THE CONSTRUCTION STATUS.
D1 (SITE 4) IS COVERED BY HAZE AND CLOUDS. NO
SIGNIFICANT CHANGES COULD BE DISCERNED AT LAUNCH
SITES D2-D6 (SITES 5, 7-10) OR THE PROBABLE SUPPORT/
CONTROL FACILITY. D7 (SITE 6) IS LOCATED ABOUT
3,200 FT NORTHWEST OF THE SUPPORT/CONTROL FACILITY
AND CONSISTS OF A SHALLOW EXCAVATION AND
SPOIL PILE. D8 (SITE 12) IS LOCATED 4.7 NM NNE OF
THE PROBABLE SUPPORT/CONTROL BUT IT WAS COVERED
BY HAZE AND CLOUDS. D9 (SITE 13) IS LOCATED 5.3
NM ENE OF THE PROBABLE SUPPORT/CONTROL.
D10 (SITE 11) IS ABOUT 6 NM EAST. D8, 9, AND 10 ARE
CONNECTED TO THE SUPPORT/CONTROL BY CABLE SCARS.
D11 IS ABOUT 4.7 NM SOUTHWEST OF THE
SUPPORT/CONTROL AND HAS A SIGNATURE SIMILAR
TO THAT AT D4 (SITE 8). FIRST EVIDENCE WAS ON

25X1D

[]

AND IT WAS NEGATED ON
D12 IS LOCATED ABOUT 6.3 NM

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SSW OF THE SUPPORT/CONTROL. IT CONSISTS OF A
SHALLOW CIRCULAR EXCAVATION AND A SPOIL PILE.
THERE IS A BUILDING ABOUT 2,000 FT NORTH OF IT.
FIRST EVIDENCE OF THE SITE WAS ON [REDACTED]

25X1D

[REDACTED] AND IT CAN BE NEGATED ON [REDACTED]

25X1D
25X1D

NO ABM ACTIVITY OBSERVED IN THE EASTERN 66
PERCENT OF 50-NM RADIUS SEARCH AREA. WESTERN 34
PERCENT WAS NOT COVERED ON PHOTOGRAPHY.

25X1D

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS

[REDACTED]---

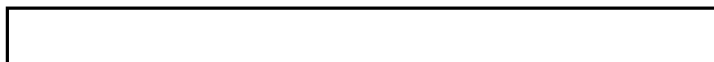
COMPLEX SUPPORT
LAUNCH SITE D7 -
LAUNCH SITE D8 -
LAUNCH SITE D9 -
LAUNCH SITE D10
LAUNCH SITE D11
LAUNCH SITE D12



25X1D

(ATTACHMENTS 1 & 2)

25X1D



25X1A

[REDACTED] ZHANGIZ-TOBE ICBM COMPLEX UR 4912N 08110E

CONSTRUCTION ACTIVITY CONTINUES AT THE COMPLEX
SUPPORT FACILITY. ONE LARGE BUILDING HAS BEEN
ADDED AND FOUNDATIONS FOR APPROXIMATELY 10
OTHER BUILDINGS ARE DISCERNIBLE.

LAUNCH AREA A (SITE 1) REMAINS IN A MID-STAGE
OF CONSTRUCTION. AN IMAGE WITHIN THE EXCAVATION,
POSSIBLY THE SILO, APPEARS AT ABOUT GROUND LEVEL.

LAUNCH AREA B (SITE 2) REMAINS IN A MID-STAGE OF
CONSTRUCTION. AN UNIDENTIFIED WHITE IMAGE IS
WITHIN THE EXCAVATION. SNOW COVER OBSCURES DETAILS.

LAUNCH AREA C (SITE 3) REMAINS IN A MID-STAGE OF
CONSTRUCTION. ACTIVITY IS APPARENT AT THE LAUNCH
AREA. SHADOWS OBSCURE DETAILS WITHIN THE EXCAVATION.

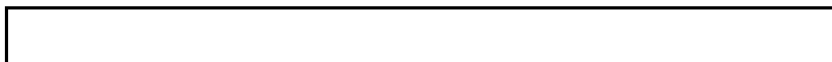
LAUNCH AREA D (SITE 4) REMAINS IN A MID-STAGE OF

CONSTRUCTION. ACTIVITY IS APPARENT. AN UNIDENTIFIED OBJECT, POSSIBLY A CRANE, EXTENDS FROM THE EDGE TO THE CENTER OF THE EXCAVATION. SHADOWS OBSCURE DETAILS WITHIN THE EXCAVATION.

LAUNCH AREA E (SITE 5) REMAINS IN A MID-STAGE OF CONSTRUCTION. SHADOWS OBSCURE DETAILS WITHIN THE EXCAVATION.

NO ABM ACTIVITY WAS OBSERVED WITHIN A 50-NM RADIUS OF THE SEARCH AREA. LACK OF PHOTOGRAPHIC COVERAGE PREVENTED SEARCHING ONE-THIRD OF THE EASTERN HALF.

25X1D



25X1A



DOMBAROVSKIY ICBM COMPLEX UR 5102N 05949E

NO SIGNIFICANT CHANGE APPARENT AT COMPLEX SUPPORT FACILITY OR POSSIBLE RAIL-TO-ROAD TRANSFER POINT. LAUNCH AREAS A (SITE 4), B (SITE 3), AND E (SITE 6) ARE IDENTIFIED ONLY. LAUNCH AREA C (SITE 2) REMAINS IN A MID-STAGE OF CONSTRUCTION. SNOW PRECLUDES FURTHER INTERPRETATION.

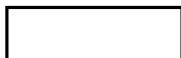
LAUNCH AREA D (SITE 1) IS CLOUD COVERED.

NO ABM ACTIVITY OBSERVED IN CLOUD-FREE PORTION OF EASTERN 90 PERCENT OF 50-NM RADIUS SEARCH AREA. WESTERN 10 PERCENT OF AREA NOT COVERED.

25X1D



25X1A

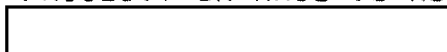


ALEYSK ICBM COMPLEX UR 5229N 08243E

COMPLEX COVERED BY GOOD QUALITY, SNOW-COVERED PHOTOGRAPHY.

NO SIGNIFICANT CHANGE IN THE COMPLEX SUPPORT FACILITY OR RAIL-TO-ROAD TRANSFER POINT SINCE

25X1D



LAUNCH AREA A (SITE 1) REMAINS IN A MID-STAGE OF CONSTRUCTION. THE UNIDENTIFIED OBJECT EXTENDING

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FROM THE EDGE TO THE CENTER OF THE EXCAVATION
IS STILL PRESENT.

LAUNCH AREA B (SITE 2) REMAINS IN A MID-STAGE OF
CONSTRUCTION. ACTIVITY IS BARELY DISCERNIBLE
WITHIN THE EXCAVATION. AN OBJECT IS ON THE
SQUARE EARTH PLATFORM. SNOW COVER PRECLUDES
FURTHER INTERPRETATION.

AREA C (SITE 3) REMAINS IN A MID-STAGE OF
CONSTRUCTION. SHADOW PRECLUDES OBSERVATION OF THE
SILO WITHIN THE EXCAVATION. CONSTRUCTION ACTIVITY IS
VISIBLE WITHIN THE GROUND SCARRING ADJACENT TO THE
SOUTHEAST SIDE OF THE EXCAVATION.

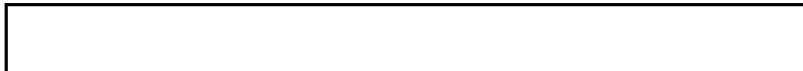
LAUNCH AREA D (SITE 4) REMAINS IN A MID-STAGE
OF CONSTRUCTION. THE SILO IS VISIBLE WITHIN THE
EXCAVATION. BOTH THE SQUARE AND RECTANGULAR
EARTH PLATFORMS CONTAIN AN OBJECT.

LAUNCH AREA E (SITE 5) REMAINS IN A MID-STAGE OF
CONSTRUCTION. SNOW COVER PRECLUDES DETAILED
INTERPRETATION.

LAUNCH AREA F (SITE 6) REMAINS IN A MID-STAGE
OF CONSTRUCTION. SNOW COVER PRECLUDES DETAILED
INTERPRETATION.

NO ABM ACTIVITY OBSERVED WITHIN A
50-NM RADIUS OF THE COMPLEX.

25X1D



25X1A



KARTALY ICBM COMPLEX UR 5303N 06034E

THE COMPLEX NOW CONTAINS 6 LAUNCH AREAS DESIGNATED
A THROUGH F. LAUNCH AREAS D, E, AND F ARE NEWLY
IDENTIFIED ON THIS MISSION.

CONSTRUCTION HAS CONTINUED ON THE COMPLEX SUPPORT
FACILITY WHICH NOW CONTAINS A TOTAL OF
APPROXIMATELY 50 BUILDINGS. TRACK ACTIVITY IN THE
SNOW, GROUND SCARRING, AND CLUTTER IN THE AREA
INDICATE FURTHER CONSTRUCTION IN PROGRESS. THERE
HAS BEEN NO APPARENT CHANGE IN THE PROBABLE RAIL-TO-

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ROAD TRANSFER POINT.

LAUNCH AREA A (SITE 1), IN A MID-STAGE OF CONSTRUCTION, CONSISTS OF A SINGLE SILO IN A SQUARE EXCAVATION. THREE BUILDINGS AND 2 SMALLER STRUCTURES ARE NEARBY.

LAUNCH AREA B (SITE 2) IS IDENTIFIED ONLY. HAZE AND SNOW PRECLUDE INTERPRETATION OF DETAILS.

LAUNCH AREA C (SITE 3), IN A MID-STAGE OF CONSTRUCTION, CONSISTS OF A SINGLE SILO IN A SQUARE EXCAVATION WITH 4 SMALL BUILDINGS NEARBY.

LAUNCH AREA D, LOCATED 12.7 NM SSW OF THE COMPLEX SUPPORT FACILITY AT APPROXIMATELY 52-51N 60-27E, IS IN A MID-STAGE OF CONSTRUCTION AND CONSISTS OF A SINGLE SILO IN A SQUARE EXCAVATION WITH 2 LARGE AND SEVERAL SMALLER BUILDINGS NEARBY. THERE WAS NO EVIDENCE OF CONSTRUCTION IN [REDACTED] AND FIRST EVIDENCE WAS OBSERVED IN [REDACTED]

25X1D
25X1D

LAUNCH AREA E, LOCATED 11.8 NM WEST-SOUTHWEST OF THE COMPLEX SUPPORT FACILITY AT APPROXIMATELY 53-00N 60-16E, IS IN A MID-STAGE OF CONSTRUCTION AND CONSISTS OF A SINGLE SILO IN A SQUARE EXCAVATION WITH SEVERAL SMALL BUILDINGS NEARBY. THERE WAS NO EVIDENCE OF CONSTRUCTION IN [REDACTED] AND FIRST EVIDENCE WAS OBSERVED ON THIS MISSION. THE AREA WAS CLOUD COVERED IN [REDACTED]

25X1D
25X1D

LAUNCH AREA F, LOCATED 10 NM WNW OF THE COMPLEX SUPPORT FACILITY AT APPROXIMATELY 53-04N 60-19E, IS IN A MID-STAGE OF CONSTRUCTION AND CONSISTS OF A SINGLE SILO IN A SQUARE EXCAVATION. THERE WAS NO EVIDENCE OF CONSTRUCTION IN [REDACTED] AND FIRST EVIDENCE WAS OBSERVED IN [REDACTED]

25X1D

NO ABM ACTIVITY IDENTIFIED WITHIN A 50-NM RADIUS OF THE COMPLEX IN CLOUD-FREE PORTIONS OF THE SEARCH AREA.

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS

[REDACTED]

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COMPLEX SUPPORT FACILITY -- [REDACTED]

R/R TRANSFER POINT -- [REDACTED]

LAUNCH AREA A -- [REDACTED]

LAUNCH AREA B -- [REDACTED]

LAUNCH AREA C -- [REDACTED]

LAUNCH AREA D -- [REDACTED]

LAUNCH AREA E -- [REDACTED]

LAUNCH AREA F -- [REDACTED]

25X1D

25X1D

25X1D

(ATTACHMENTS 3, 4 & 5)

25X1D

25X1A

[REDACTED] KARA-BABAU IRBM LAUNCH SITE 2 UR 4431N 07758E

IDENTIFICATION ONLY.

25X1D

25X1A

[REDACTED] NOVOSYSOYEVKA IRBM LAUNCH SITE 2 UR 4407N 13327E

NO APPARENT CHANGE SINCE [REDACTED]

25X1D

NO EVIDENCE OF A COMMUNICATIONS OR ELECTRONICS
FACILITY NEAR SITE.

25X1D

25X1A

[REDACTED] GELLI IRBM LAUNCH SITE UR 4245N 04728E

NO APPARENT CHANGE SINCE [REDACTED] IN
LAUNCH SITE [REDACTED]

25X1D

25X9

25X9

NO ELECTRONICS FACILITY OBSERVED IN IMMEDIATE AREA.

25X1D

25X1A

[REDACTED] PARAUL IRBM LAUNCH SITE UR 4247N 04723E

LAUNCH AREA IS COMPLETE. [REDACTED]

25X1B

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25X1D ON [REDACTED] ON THE SILO COVERS IS NOT
OBSERVED ON THIS KH-4 MISSION.

NO NUCLEAR WARHEAD FACILITY OR ELECTRONICS FACILITY
OBSERVED IN IMMEDIATE AREA.

25X1D

[REDACTED]

25X1A [REDACTED] ZHURAVKA IRBM LAUNCH SITE UR 5436N 07640E

NO ADDITIONAL IRBM/MRBM LAUNCH AREAS OBSERVED
WITHIN A 25-NM RADIUS.

25X1D NO APPARENT CHANGE IN LAUNCH SITE SINCE
MISSION [REDACTED] WHEN ONE OF THE 2 PROBABLE
PERSONNEL BUILDINGS AT REAR OF READY BUILDINGS
AND THE PROBABLE RIM BUILDING WERE REMOVED.

NO ACTIVITY IS DISCERNIBLE AT THE LAUNCH SITE
NOR HAS THE ROAD NETWORK BEEN CLEARED OF SNOW.

25X1D

[REDACTED]

25X1A [REDACTED] NOVOSYSOYEVKA IRBM LAUNCH SITE 3 UR 4407N 13325E

NO APPARENT CHANGE SINCE [REDACTED]

25X1D

NO ELECTRONICS FACILITIES OR NUCLEAR WARHEAD
FACILITY OBSERVED NEAR LAUNCH AREA.

25X1D

[REDACTED]

25X1A [REDACTED] KARA-BABAU IRBM LAUNCH SITE 3 UR 4431N 07743E

IDENTIFICATION ONLY.

25X1D

[REDACTED]

25X1A [REDACTED] TYURATAM MTR-KAMCHATKA IMPACT INST SITE A UR 5756N 16201E

NO SIGNIFICANT CHANGE IN INSTRUMENTATION SITE A

25
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OR KLYUCHI COMMUNICATIONS CENTER SINCE MISSION

25X1D

IN THE IMPACT AREA A FEW OF THE LARGER, KNOWN
IMPACTS WERE OBSERVED, BUT SNOW COVER PRECLUDES AN
ACCURATE READOUT.

QUALITY OF PHOTOGRAPHY PRECLUDES COMPARISON OF
FACILITIES WITH SARY-SHAGAN.

25X1D

PHOTOGRAPHIC REFERENCES FOR ITEMS OF SIGNIFICANT
INTEREST ON [REDACTED] ARE AS FOLLOWS --

25X1D

SITE B
SITE C
SITE D
SITE E
SITE F
SITE G

25X1D

IMPACT AREA --

KLYUCHI COMMUNICATIONS CENTER --

25X1D

25X1D

25X1A

[REDACTED] SARY-SHAGAN ANTIMISSILE TEST CENTER UR 4602N 07334E

SITE 13 IS THE ONLY FACILITY COVERED AT THE TEST
CENTER. INTERPRETATION IS LIMITED BY HEAVY HAZE,
SNOW, AND OBLIQUITY. THE SITE IS ACTIVE, WITH MANY
OF THE ROADS CLEARED OF SNOW. ACTIVITY, INCLUDING
SNOW CLEARANCE, IS NOTED AT THE NORTHERN LINEAR
BUILDING OF THE SOUTHERN DUAL HENHOUSE-TYPE STRUCTURE,
AT THE NORTHERN LINEAR BUILDING OF THE NORTH CENTRAL
DUAL HENHOUSE-TYPE STRUCTURE, AND AT THE SOUTHERN
LINEAR EXCAVATION OF THE NORTHERN DUAL HENHOUSE-TYPE
STRUCTURE. A NARROW, SNOW-COVERED SCAR INDICATES
SOME WORK SINCE [REDACTED] ON THE NORTHERN
LINEAR SITE OF THE NORTHERN STRUCTURE. A SHORT SCAR,
FIRST OBSERVED ON [REDACTED] AND EXTENDING WEST
AND NORTHWEST FROM THE SOUTH CENTRAL DUAL HENHOUSE-
TYPE STRUCTURE, HAS BEEN CLEARED OF SNOW. THE NEW
LINEAR SCAR, FIRST OBSERVED ON [REDACTED]
AND SITUATED APPROXIMATELY 4,120 FT SOUTHWEST OF
THE TRANSFORMER-SUBSTATION UNDER CONSTRUCTION,

25X1D

25X1D

25X1D

TOP SECRET CHESS RUFF

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IS BEING WIDENED. NO APPRECIABLE CHANGE IS OBSERVED IN THE LENGTH OF THE SNOW-COVERED SCAR WHICH REMAINS AT APPROXIMATELY 4,375 FT. THE SCAR IS ORIENTED ON AN AZIMUTH OF [REDACTED] (ACCURATE WITHIN 5 DEGREES). THE BUILDING TRIAD IS IDENTIFIED ONLY.

25X1D

25X1D

25X1A

[REDACTED] MAKAT FIELD LAUNCH POINT (MRBM) UR 4758N 05342E

IDENTIFICATION ONLY. THE SUPPORT AREA IS FAINTLY VISIBLE.

25X1D

25X1A

[REDACTED] SHUANG-CHENG-TZU MISSILE TEST CENTER CH 4107N 10020E

THE SHUANG-CHENG-TZU MISSILE TEST CENTER, EXCLUDING SHUANG-CHENG-TZU AIRFIELD, IS COVERED ON CLEAR PHOTOGRAPHY.

25X1D

NO APPARENT CHANGE IS OBSERVED IN THE SSM LAUNCH FACILITIES, SAM LAUNCH FACILITIES, OPERATIONAL SUPPORT FACILITIES, OR MAIN SUPPORT BASE SINCE

SAM LAUNCH SITE A, AT LEAST 8 VEHICLES/PIECES OF EQUIPMENT, INCLUDING A PROBABLE GUIDANCE RADAR, REMAIN IN THE SAME POSITIONS AS ON [REDACTED]

25X1D

25X1D

THE TERMINUS OF THE RAIL LINE INTO THE DESERT, WHICH WAS CLOUD COVERED ON [REDACTED] SHOWS NO APPARENT CHANGE SINCE [REDACTED]

25X1D
25X1D

25X1D

25X1A

[REDACTED] ZAGORSK ROCKET ENGINE TEST FACILITY UR 5625N 03810E

CONSTRUCTION ACTIVITY CONTINUES IN AREA EAST OF SECURED PORTION OF FACILITY. NO TESTING ACTIVITY, UNUSUALLY LONG RAIL CARS, OR EQUIPMENT

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

Handle Via
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OBSERVED.

25X1D

[REDACTED]

25X1A

[REDACTED]

KRASNOYARSK ROCKET ENGINE TEST FACILITY UR 5605N 09327E

FLAME DEFLECTOR BELOW THE VERTICAL TEST
STAND IS ALMOST COMPLETELY BLACK. PREVIOUSLY
REPORTED POSSIBLE SECOND TEST STAND WHICH STILL
CANNOT BE CONFIRMED APPEARS TO BE A TALL
STRUCTURE, NEARLY SQUARE IN PLAN VIEW. THERE IS
NO CONSTRUCTION ACTIVITY AROUND THE POSSIBLE STAND.
NO OTHER SIGNIFICANT CHANGES SINCE [REDACTED]

25X1D

[REDACTED]

25X1D

ENTIRE FACILITY COVERED BY GOOD QUALITY STEREO
PHOTOGRAPHY.

(ATTACHMENT 6)

25X1D

[REDACTED]

25X1A

[REDACTED]

OMSK RKT ENG TEST FAC GORNAYA BITIYA UR 5525N 07317E

LARGE BLAST MARK VISIBLE IN SNOW AT COMPLETED
TEST STAND. TRACK ACTIVITY IN THE SNOW
INDICATES CONSTRUCTION CONTINUES AT THE SECOND
TEST STAND. HEATING PLANT IS EMITTING STEAM.
NO OTHER CHANGES SINCE [REDACTED]

25X1D

(ATTACHMENT 7)

25X1D

[REDACTED]

25X1A

[REDACTED]

PEIPING RKT ENG TEST FAC CHANG-HSIN-TIEN CH 3950N 11608E

NO APPARENT CHANGE SINCE [REDACTED]

25X1D

UNIDENTIFIED CONSTRUCTION ACTIVITY AT NORTH END
OF TEST AREA CONTINUES. NO EVIDENCE OF
OPERATIONAL ACTIVITY.

25X1D

[REDACTED]

25X1A [] PERM ROCKET ENGINE TEST FACILITY UR 5801N 05634E

DARK TONE AT BASE OF TEST STAND SUGGESTS THAT A BLAST MARK HAS BEEN PARTIALLY COVERED BY RECENT SNOW. THIS IS THE FIRST EVIDENCE OF OPERATIONAL ACTIVITY AT THIS SITE. TRACKS IN SNOW INDICATE THAT WORK IS PROGRESSING IN THE EXPANSION AREA PREVIOUSLY REPORTED ON THE WEST SIDE OF THE TEST AREA. AT PRESENT ONLY THE SECURITY LINES HAVE BEEN COMPLETED AROUND THE EXPANSION AREA.

25X1D []

25X1A [] BIYSK STATIC TEST FACILITY UR 5229N 08507E

NO CHANGES OR NEW CONSTRUCTION OBSERVED SINCE

25X1D []

POOR QUALITY PHOTOGRAPHY PRECLUDES DETAILED INTERPRETATION.

25X1D []

25X1A [] MALANG AREA, SUSPECT SAM SITES ID 0754S 11248E

NO SAM SITES OBSERVED.

25X1D []

25X1A [] KRASNAYA GORBATKA SUSPECT SSM AREA UR 5553N 04146E

ONLY 75 PERCENT OF SEARCH AREA COVERED BY PHOTOGRAPHY. NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS.

25X1D []

25X1A [] URALSK SUSPECT SSM AREA UR 5114N 05122E

NO SSM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS OF

URALSK. SNOW COVER PRECLUDES NEGATION OF AREA.

25X1D

[REDACTED]

25X1A

[REDACTED] SRETENSK, SUSPECT SSM AREA UR 5213N 11743E

SEARCH WITHIN 50-NM RADIUS OF SRETENSK REVEALED NO
SSM ACTIVITY, SEARCH AREA CANNOT BE NEGATED
HOWEVER, BECAUSE OF HEAVY SNOW.

25X1D

[REDACTED]

25X1A

[REDACTED] KOMSOMOLSK SHIPYARD AMUR 199 UR 5033N 13702E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1D

[REDACTED]

ONE PROBABLE UNIDENTIFIED VESSEL AT PIER. NO
SUBMARINES OR TRANSPORTER DOCKS OBSERVED.
AMUR RIVER IS ICE COVERED.

25X1D

[REDACTED]

25X1A

[REDACTED] MOSCOW SUSPECT ABM AREA UR 5545N 03737E

APPROXIMATELY 60 PERCENT OF THE 75-NM RADIUS
SEARCH AREA COVERED BY PHOTOGRAPHY. NO NEW
SARY-SHAGAN OR LENINGRAD-TYPE ELECTRONIC
FACILITIES OR NUCLEAR WEAPONS STORAGE FACILITIES
OBSERVED IN CLOUD-FREE AREAS. NO NEW CONSTRUCTION
ACTIVITY OBSERVED SINCE [REDACTED]

25X1D

AT SA-1 SAM SITES C02-1, C09-1, C16-1, EA10-1,
E12-1, E15-1, OR E16-1. ACTIVITY CONTINUES
AT SITES C14-1, E05-1, E13-1, E33-1, AND
E35-1. AT SITE E05-1, PROBABLE PREPARATION FOR
FOOTINGS IS OBSERVED AT THE LARGE CLEARING
OF THE SECOND BUILDING TRIAD. ADDITIONAL ROADS
INTERCONNECTING THE 3 CLEARINGS HAVE BEEN
CONSTRUCTED SINCE [REDACTED] NO
APPARENT CHANGE OBSERVED AT THE ORIGINAL TRIAD.
AT SITE E33-1, WORK CONTINUES ON THE 2 SMALLER
CLEARINGS OF THE SECOND TRIAD. THE ORIGINAL
TRIAD IS CLOUD COVERED. AT SITE C14-1,

25X1D

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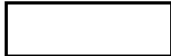
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UNIDENTIFIED ACTIVITY CONTINUES ALONG THE ROAD
ON THE WEST SIDE OF THE LAUNCH SITE. THE
REMAINDER OF THE SA-1 SAM SITES ARE CLOUD COVERED,
NOT COVERED, OR SHOW NO APPARENT CHANGE SINCE

25X1D



25X1A



ANGARSK HENHOUSE-TYPE ACTIVITY UR 5253N 10315E

CONSTRUCTION CONTINUES ON THE DUAL HENHOUSE-TYPE
STRUCTURES. THE PROBABLE CENTRAL CONTROL BUILDING
AND THE 2 LINEAR STRUCTURES AT AREA A
APPEAR TO BE EXTERNALLY COMPLETE.

THE PROBABLE CENTRAL CONTROL BUILDING AT AREA B
APPEARS TO BE EXTERNALLY COMPLETE. THE
2 LINEAR STRUCTURES IN THIS AREA CONSIST OF FOOTINGS
WITH BACKFILL IN PLACE AND BEGINNING
CONSTRUCTION OVER THE FOOTINGS. THE TERMINAL BUILDING
IS IN PLACE AT THE SOUTH LINEAR STRUCTURE.

THE 3 WINGS OF THE PROBABLE CENTRAL CONTROL
BUILDING AT AREA C APPEAR TO BE EXTERNALLY COMPLETE,
WITH NO APPARENT PROGRESS ON THE LARGE CENTRAL
PORTION OF THE BUILDING. EXCAVATIONS AND FOOTINGS
AT THE 2 LINEAR STRUCTURES APPEAR COMPLETE.

AT AREA D EXCAVATION AND POSSIBLE FOOTINGS FOR THE
PROBABLE CENTRAL CONTROL BUILDING ARE EVIDENT.
LINEAR EXCAVATIONS FOR THE DUAL HENHOUSE-TYPE
STRUCTURE APPEAR TO BE NEARING COMPLETION. THE
OVERALL LENGTH OF THE EXCAVATIONS IS 2,090 FT.

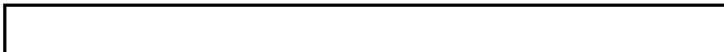
25X1D

AN UNIDENTIFIED AREA, OUTSIDE THE SOUTH CORNER OF
THE SECURED OPERATIONS AREA, HAS BEEN ENLARGED
SINCE 

NO SIGNIFICANT CHANGE OBSERVED IN THE SUPPORT
FACILITIES.

(ATTACHMENT 8)

25X1D



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25X1A [REDACTED] CHEREPOVETS SUSP AMM/SAM LNCH COMPLEX U/C UR 5906N 03810E

25X1D NO CHANGE IS OBSERVED THROUGH HAZE AND GROUND SNOW
SINCE [REDACTED] AT THE SUSPECT LAUNCH SITES
OR AT SUPPORT AREA 0.5 NM NORTHWEST. NO SIGNIFICANT
CHANGE IS APPARENT THROUGH SNOW AT THE BUILDING
AND ROAD CONSTRUCTION PREVIOUSLY REPORTED
NORTHWEST OF THE SUPPORT AREA. WHETHER THERE IS AN
ASSOCIATION BETWEEN THIS LATTER AREA AND THE
SUSPECT LAUNCH SITES CANNOT BE DETERMINED.

25X1D NO MISSILES, MISSILE-RELATED EQUIPMENT, OR
ELECTRONIC AND COMMUNICATIONS FACILITIES OBSERVED.

25X1D [REDACTED]

25X1A [REDACTED] RUMBAI AREA SAM SEARCH ID 0040N 10013E

NO SAM SITE OBSERVED AT COORDINATES.

SEARCH AREA APPROXIMATELY 75 PERCENT CLOUD COVERED.

25X1D [REDACTED]

25X6 [REDACTED]

BONUS LAN-CHOU SAM SITE B19-2 CH 3547N 10344E

25X1D THIS COMPLETED SA-2 SAM SITE, LOCATED 17 NM SSW OF
LAN-CHOU AT 3547N 10344E IS NOW ABANDONED. THE SITE
WAS NOT PRESENT ON [REDACTED] BUT WAS NEWLY
IDENTIFIED AND ACCEPTED BASED ON THE PHOTOGRAPHY FROM

25X1D

SINCE THE FOUR OCCUPIED REVETTED LAUNCH POSITIONS,
THE POSSIBLE REVETTED CENTRAL GUIDANCE AREA AND THE
TENTS WHICH WERE ADJACENT TO THE SAM SITE HAVE BEEN
REMOVED, THIS SITE IS DROPPED FROM NPIC LISTING OF

ACTIVE MISSILE SITES.

NO NEW MISSILE SITES WERE FOUND AS THE RESULT OF
A 25-NM RADIUS SEARCH AROUND LAN-CHOU. HOWEVER,
AN APPROXIMATELY 4,000 FT WIDE GENERALLY EAST-WEST
PHOTOGRAPHIC HOLIDAY, CENTERED ON THE LAN-CHOU
GASEOUS DIFFUSION PLANT, PRECLUDES
NEGATION OF ALL OF THIS SEARCH AREA.

(ATTACHMENT 9)



25X1D

**Air
Facilities**

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AIR FACILITIES

25X1A [] UKRAINA AIRFIELD UR 5110N 12826E
NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1D []
AIRCRAFT -- NONE OBSERVED.

25X1D []

25X1A [] BORZYA AIRFIELD NORTHWEST UR 5024N 11623E
AIRCRAFT -- 9 BADGER.

25X1D []

25X1A [] BELAYA AIRFIELD UR 5254N 10335E
AIRCRAFT -- 43 PROBABLE AIRCRAFT ON PARKING APRON.

25X1D []

25X1A [] RYAZAN/DYAGILEVO AIRFIELD UR 5439N 03935E
NO AIRCRAFT OBSERVED IN CLOUD-FREE AREAS.

25X1D []

25X1A [] KAZAN AIRFRAME PLANT GORBUNOV 22 UR 5552N 04907E
NO APPARENT CHANGE IN FACILITIES SINCE

25X1D []
AIRCRAFT -- 16 PROBABLE AIRCRAFT.

25X1D []

25X1A [] RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT UR 5535N 03807E
1.4 NM NW OF NW END OF MAIN RUNWAY OF MOSCOW/

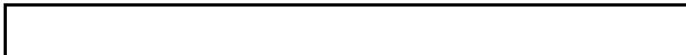
TOP SECRET CHESSE RUFF

RAMENSKOYE AIRFIELD.

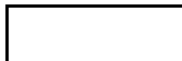
PLANT CONSISTS OF SEVERAL PROBABLE LABORATORY BUILDINGS, A LARGE T-SHAPED PROBABLE EXPERIMENTAL AIRCRAFT ASSEMBLY BUILDING, SEVERAL SHOP AND STORAGE BUILDINGS, AND 2 POSSIBLE WIND TUNNELS.

AIRCRAFT -- 1 POSSIBLE BOUNDER, 1 POSSIBLE CLASSIC, 25 MEDIUM SWEEP-WING, 18 PROBABLE LIGHT STRAIGHT-WING, 5 POSSIBLE HEAVY HELICOPTERS, AND AN UNDETERMINED NUMBER OF UNIDENTIFIED LIGHT AIRCRAFT.

25X1D



25X1A



IRKUTSK AIRFRAME PLANT UR 5221N 10412E

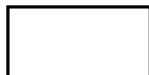
A SMALL PORTION OF THE EASTERN EDGE OF THE NEW ASSEMBLY BUILDING ADDITION IS NOW ROOFED. NO AIRCRAFT OBSERVED.

HAZE, SNOW, AND POOR QUALITY PHOTOGRAPHY PRECLUDE FURTHER INTERPRETATION.

25X1D



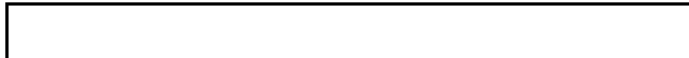
25X1A



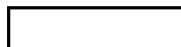
IRKUTSK AIRFIELD NORTHWEST UR 5222N 10411E

AIRCRAFT -- NONE OBSERVED.

25X1D



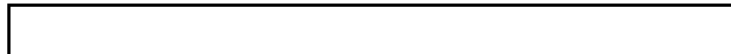
25X1A



KUYBYSHEV AIRFRAME PLANT LENIN 18 UR 5313N 05019E

IDENTIFICATION ONLY.

25X1D



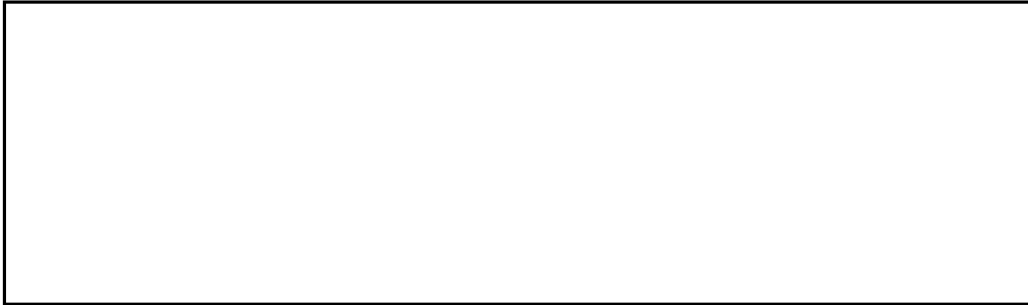
25X6



25X1D



25X6



Nuclear Energy

25X2

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**Naval
Activity /
Ports**

NAVAL ACTIVITY/PORTS

25X1A [] SHANG-HAI NAVAL BASE & SHIPYARD KIANGNAN CH 3112N 12128E

25X1D [] NO APPARENT CHANGE IN FACILITIES SINCE MISSION

VESSLS -- 3 PROBABLE SS AND 4 UNIDENTIFIED SMALL
VESSLS AT WHARF. HAZE PRECLUDES IDENTIFICATION
OF VESSELS UNDER CONSTRUCTION.

25X1D []

25X1A [] TA-KU NAVAL FACILITY CH 3900N 11740E

25X1D [] NO APPARENT CHANGE IN FACILITIES SINCE MISSION

VESSLS -- 8 MERCHANT VESSELS, ONE POSSIBLE
DESTROYER-TYPE, AND ONE UNIDENTIFIED VESSEL IN
A GRAVING DOCK.

AREA COVERED BY FAIR QUALITY STEREO PHOTOGRAPHY.

25X1D []

25X1A [] SHAN-TOU NAVAL BASE CH 2321N 11640E

25X1D [] NO APPARENT CHANGE IN FACILITIES SINCE

NO VESSELS OBSERVED AT NAVAL BASE.

ENTIRE AREA COVERED ON CLEAR, GOOD QUALITY
PHOTOGRAPHY.

25X1D []

25X1A [] HUANG-PU NAVAL BASE CH 2305N 11325E

NAVAL BASE AND 5-NM-RADIUS SEARCH AREA OBSERVED
THROUGH SLIGHT HAZE.

Handle Via
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NO APPARENT CHANGE IN FACILITIES SINCE

NO EVIDENCE OF SUBMARINE CONSTRUCTION OBSERVED.
HAZE AND SCALE PRECLUDE DETAILED INTERPRETATION OF
OBJECTS ON SHIPYARD BUILDING WAYS. GRAVING DOCK
ON HUANG-PU ISLAND IS OCCUPIED BY SMALL CRAFT.
LARGE NEW PROBABLE GRAVING DOCK IMMEDIATELY
WEST OF HUANG-PU PORT FACILITIES (ACROSS RIVER FROM
HUANG-PU ISLAND) IS STILL UNDER CONSTRUCTION.

NO NUCLEAR, MISSILE SUPPORT, OR STORAGE FACILITIES
OBSERVED WITHIN 5-NM RADIUS.

VESSELS -- SEVERAL UNIDENTIFIED SMALL CRAFT AND 2
UNIDENTIFIED LARGE VESSELS AT WHARVES OR AT ANCHOR.

CHOU-SHAN NAVAL BASE AND SHIPYARD CH 3000N 12206E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

VESSELS -- 3 PC.

**Military
Activity**

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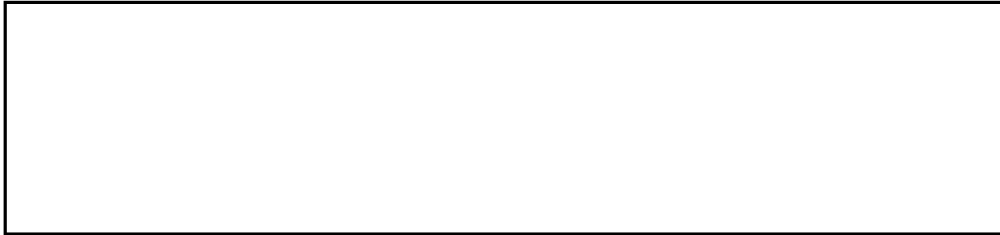
MILITARY ACTIVITY

25X1A  LAO-PO SHAN SPECIAL AREA CH 4556N 12045E
AREA ONLY PARTIALLY COVERED BY PHOTOGRAPHY.
NO MILITARY ACTIVITY OBSERVED.

25X1D



25X6



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**Other
Activity**

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OTHER ACTIVITY

25X1A



CHEBSARA SENSITIVE OPERATIONS COMPLEX UR 5906N 03837E

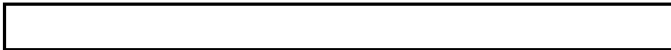
NO APPARENT CHANGE SINCE



25X1D

HEAVY SNOW AND HAZE PRECLUDE DETERMINATION OF
STATUS OF CONSTRUCTION ON BUNKERS 4 AND 5.

25X1D



Index

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INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET
NUMBER, OF ALL COMOR TARGETS REPORTED DURING THE SCAN
OF MISSION 1015-1.

| COMOR | INSTALLATION NAME | CTY COORDINATES |
|------------------------------|--|------------------|
| 25X1A | YOSHKAR--OLA ICBM COMPLEX | UR 5634N 04803E |
| | SVOBODNY ICBM COMPLEX | UR 5146N 12807E |
| | DROVYANAYA ICBM COMPLEX | UR 5131N 11300E |
| | KOSTROMA ICBM COMPLEX | UR 5746N 04101E |
| | ITATKA ICBM COMPLEX | UR 5650N 08536E |
| | OMSK ICBM COMPLEX | UR 5503N 07330E |
| | PERM ICBM COMPLEX | UR 5742N 05619E |
| | TEYKOVO ICBM COMPLEX | UR 5652N 04035E |
| | GLADKAYA ICBM COMPLEX | UR 5605N 09213E |
| | NOVOSIBIRSK ICBM COMPLEX | UR 5515N 08259E |
| | OLOVYANNAYA ICBM COMPLEX | UR 5049N 11550E |
| | ZHANGIZ--TOBE ICBM COMPLEX | UR 4912N 08110E |
| | DOMBAROVSKIY ICBM COMPLEX | UR 5102N 05949E |
| | ALEYSK ICBM COMPLEX | UR 5229N 08243E |
| | KARTALY ICBM COMPLEX | UR 5303N 06034E |
| | KARA--BABAU IRBM LAUNCH SITE 2 | UR 4431N 07758E |
| | NOVOSYSOYEVKA IRBM LAUNCH SITE 2 | UR 4407N 13327E |
| | GELLI IRBM LAUNCH SITE | UR 4245N 04728E |
| | PARAUL IRBM LAUNCH SITE | UR 4247N 04723E |
| | ZHURAVKA IRBM LAUNCH SITE | UR 5436N 07640E |
| | NOVOSYSOYEVKA IRBM LAUNCH SITE 3 | UR 4407N 13325E |
| | KARA--BABAU IRBM LAUNCH SITE 3 | UR 4431N 07743E |
| | TYURATAM MTR--KAMCHATKA IMPACT INST SITE | AUR 5756N 16201E |
| | SARY--SHAGAN ANTIMISSILE TEST CENTER | UR 4602N 07334E |
| | MAKAT FIELD LAUNCH POINT (MRBM) | UR 4758N 05342E |
| | SHUANG--CHENG--TZU MISSILE TEST CENTER | CH 4107N 10020E |
| | ZAGORSK ROCKET ENGINE TEST FACILITY | UR 5625N 03810E |
| | KRASNOYARSK ROCKET ENGINE TEST FACILITY | UR 5605N 09327E |
| | OMSK RKT ENG TEST FAC GORNAYA BITIYA | UR 5525N 07317E |
| | PEIPING RKT ENG TEST FAC CHANG--HSIN--TIEN | CH 3950N 11608E |
| | PERM ROCKET ENGINE TEST FACILITY | UR 5801N 05634E |
| | BIYSK STATIC TEST FACILITY | UR 5229N 08507E |
| | MALANG AREA SUSPECT SAM SITES | ID 0754S 11248E |
| | KRASNAYA GORBATKA SUSPECT SSM AREA | UR 5553N 04146E |
| | URALSK SUSPECT SSM AREA | UR 5114N 05122E |
| | SRETENSK SUSPECT SSM AREA | UR 5213N 11743E |
| KOMSOMOLSK SHIPYARD AMUR 199 | UR 5033N 13702E | |

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25X1A

| | |
|---|-----------------|
| MOSCOW SUSPECT ABM AREA | UR 5545N 03737E |
| ANGARSK HENHOUSE--TYPE ACTIVITY | UR 5253N 10315E |
| CHEREPOVETS SUSP AMM/SAM LNCH COMPLEX U/CUR | 5906N 03810E |
| RUMBAI AREA SAM SEARCH | ID 0040N 10013E |

25X6

| | |
|--|-----------------|
| UKRAINA AIRFIELD | UR 5110N 12826E |
| BORZYA AIRFIELD NORTHWEST | UR 5024N 11623E |
| BELAYA AIRFIELD | UR 5254N 10335E |
| RYAZAN/DYAGILEVO AIRFIELD | UR 5439N 03935E |
| KAZAN AIRFRAME PLANT GORBUNOV 22 | UR 5552N 04907E |
| RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT | UR 5535N 03807E |
| IRKUTSK AIRFRAME PLANT | UR 5221N 10412E |
| IRKUTSK AIRFIELD NORTHWEST | UR 5222N 10411E |
| KUYBYSHEV AIRFRAME PLANT LENIN 18 | UR 5313N 05019E |

25X6

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|---------------------------------|-----------------|
| TOMSK ATOMIC ENERGY COMPLEX | UR 5636N 08454E |
| ANGARSK GASEOUS DIFFUSION PLANT | UR 5228N 10352E |
| SHANG-HSUAN HPP YEN-KUO HSIA | CH 3601N 10315E |

25X2

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|---------------------------------|-----------------|
| ZAOZERNYY ATOMIC ENERGY COMPLEX | UR 5606N 09431E |
|---------------------------------|-----------------|

25X2

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| DODONOV ATOMIC ENERGY COMPLEX | UR 5616N 09328E |
| CHIANG-YU IRON AND STEEL PLANT | CH 3146N 10446E |

25X2

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|--|-----------------|
| HSIANG-HSIANG ARSENAL | CH 2750N 11240E |
| CHIN-SHA CHIANG SUSPECT AE ACTIVITY | CH 2820N 10350E |
| TA-TU HO SUSPECT AE ACTIVITY | CH 3005N 10230E |
| MEI-SHAN SUSPECT AE ACTIVITY | CH 3003N 10351E |
| TSA-LO/FU-LIN SUSPECT AE ACTIVITY | CH 2907N 10220E |
| HENG-YANG AREA ORE CONCENTRATION PLANT | CH 2648N 11239E |
| SHANG-HAI NAVAL BASE & SHIPYARD KIANGNAN | CH 3112N 12128E |
| TA-KU NAVAL FACILITY | CH 3900N 11740E |
| SHAN-TOU NAVAL BASE | CH 2321N 11640E |
| HUANG-PU NAVAL BASE | CH 2305N 11325E |
| CHOU-SHAN NAVAL BASE AND SHIPYARD | CH 3000N 12206E |
| LAO-PO SHAN SPECIAL AREA | CH 4556N 12045E |

25X6

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|---------------------------------------|-----------------|
| CHEBSARA SENSITIVE OPERATIONS COMPLEX | UR 5906N 03837E |
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Talent-Keyhole
Control System Only

TOP SECRET CHESS RUFF

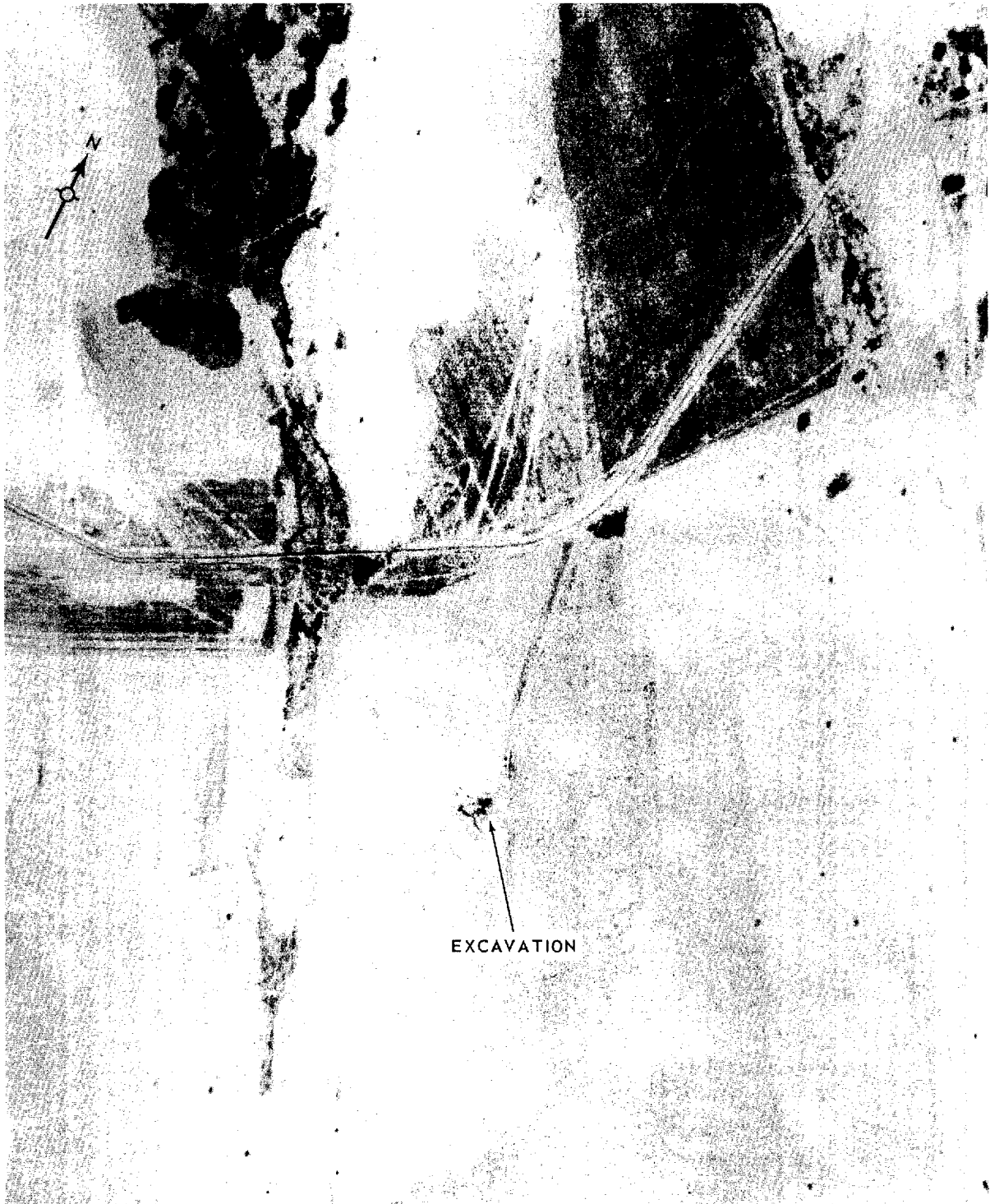
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ATTACHMENT 1



LAUNCH SITE D11, OLOVYANNAYA ICBM COMPLEX, USSR

NPIC J-6599 (12/64)

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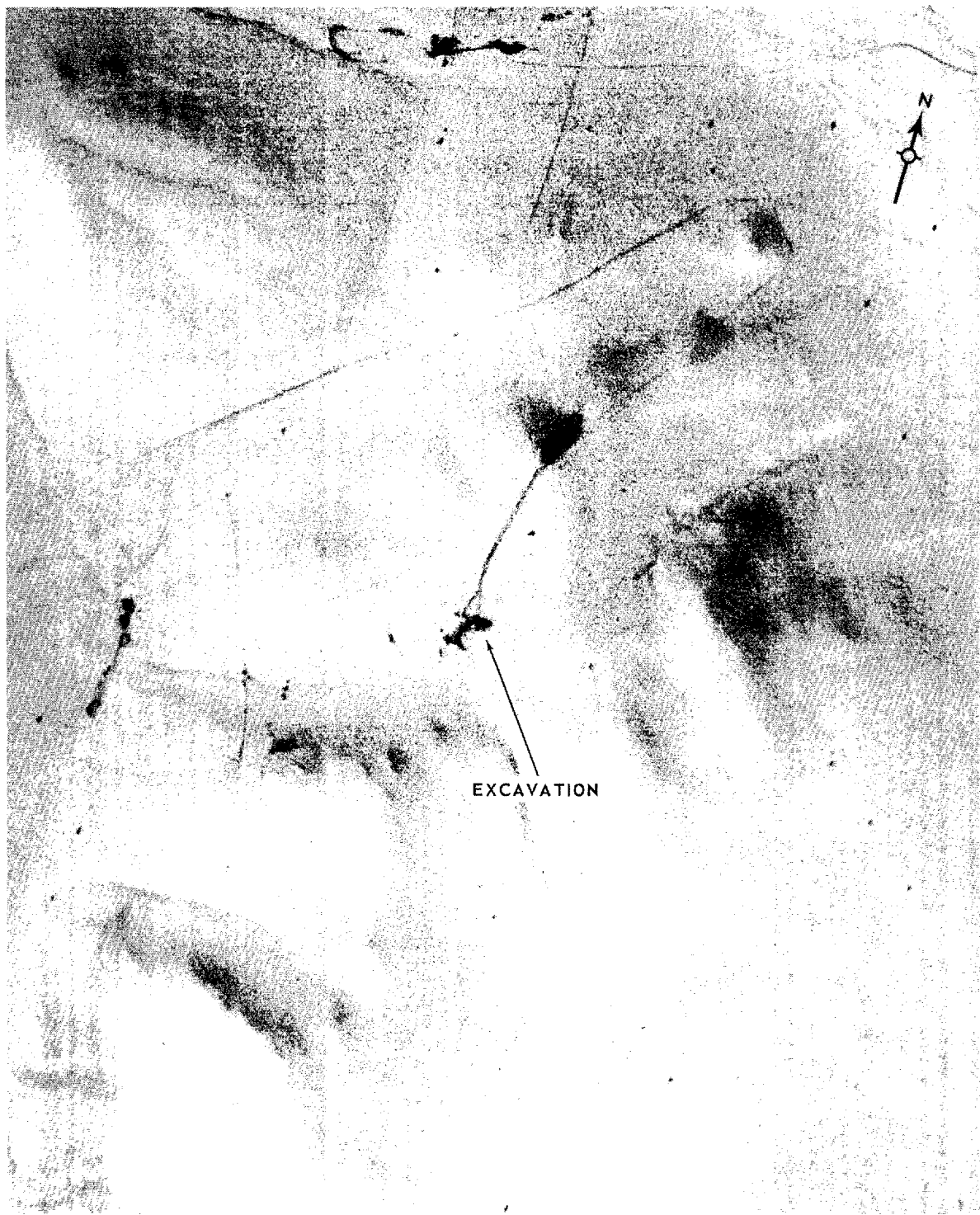
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ATTACHMENT 2



LAUNCH SITE D12, OLOVYANNAYA ICBM COMPLEX, USSR

NPIC J-6600 (12/64)

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TOP SECRET CHESS RUFF

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ATTACHMENT 3



LAUNCH AREA D, KARTALY ICBM COMPLEX, USSR

NPIC J-6601 (12/64)

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Handle Via
TALENT-KEYHOLE
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TOP SECRET CHESS RUFF

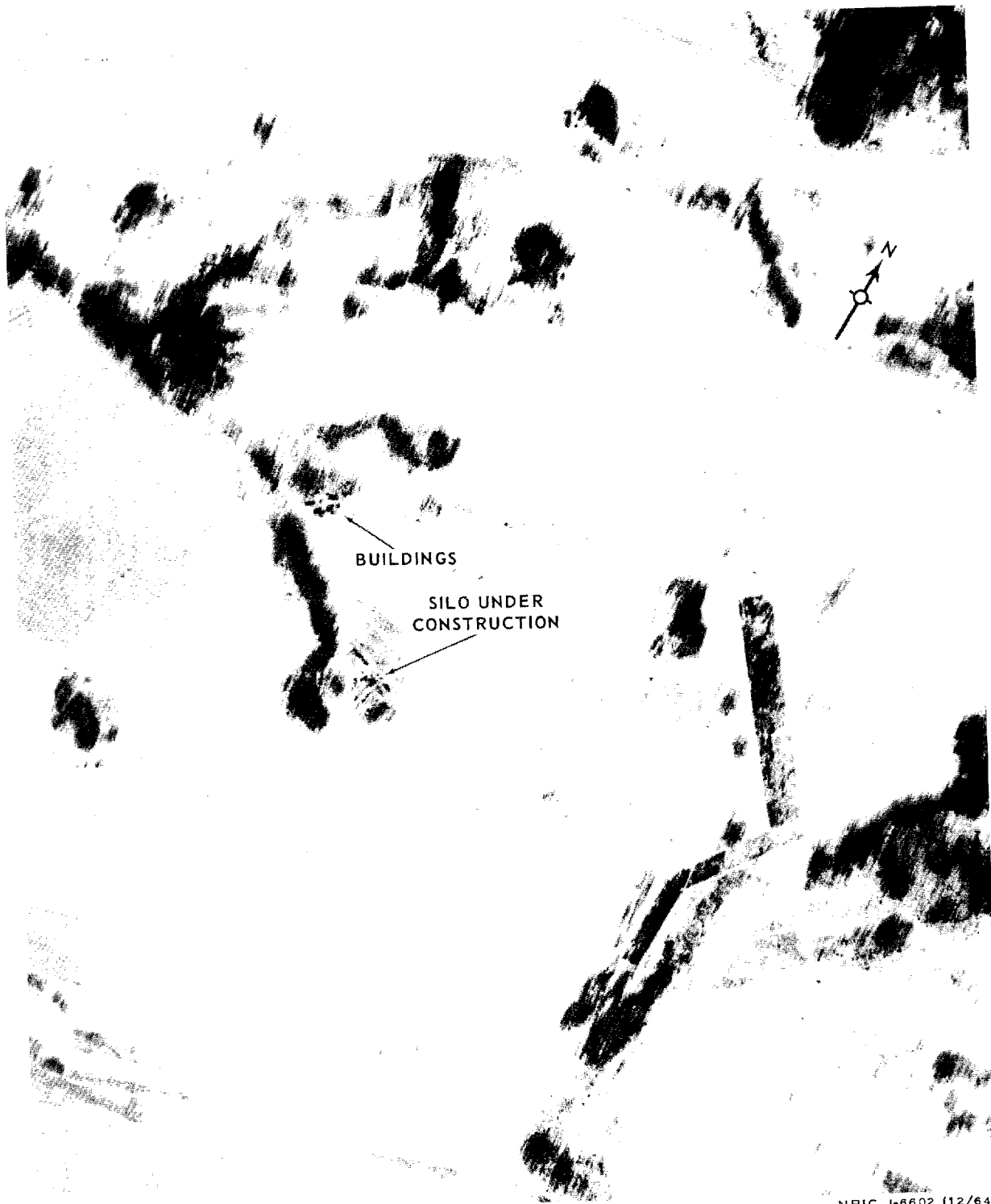
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Handle Via
TALENT-KEYHOLE
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ATTACHMENT 4



NPIC J-6602 (12/64)

LAUNCH AREA E, KARTALY ICBM COMPLEX, USSR

Handle Via
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TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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ATTACHMENT 5



LAUNCH AREA F, KARTALY ICBM COMPLEX, USSR

NPIC J-6603 (12/64)

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Handle Via
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ATTACHMENT 6



NPIC J-6605 (12/64)

KRASNOYARSK ROCKET ENGINE TEST FACILITY, USSR

Handle Via
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TOP SECRET CHESS RUFF

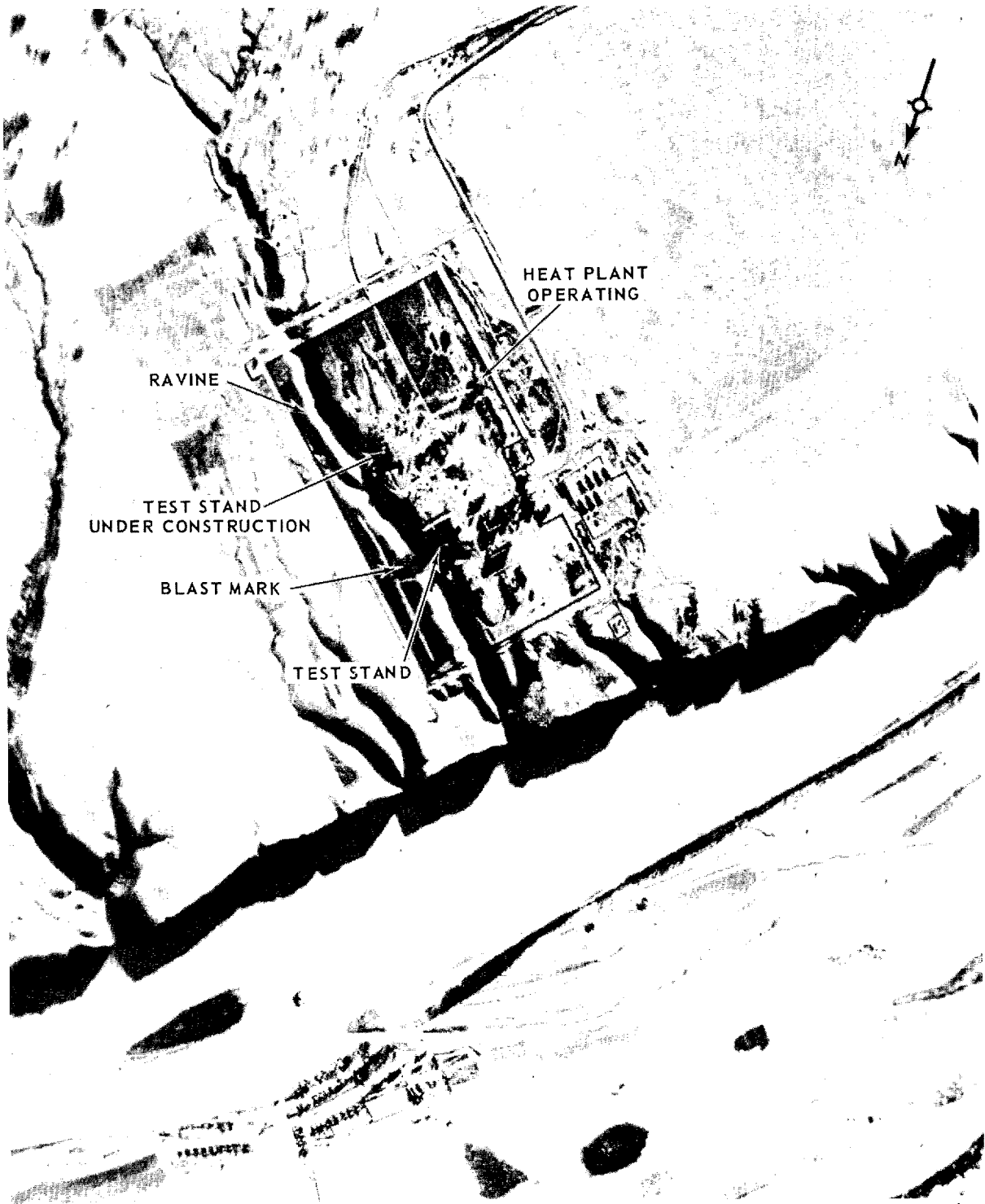
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ATTACHMENT 7



OMSK ROCKET ENGINE TEST FACILITY, USSR

NPIC J-6606 (12/64)

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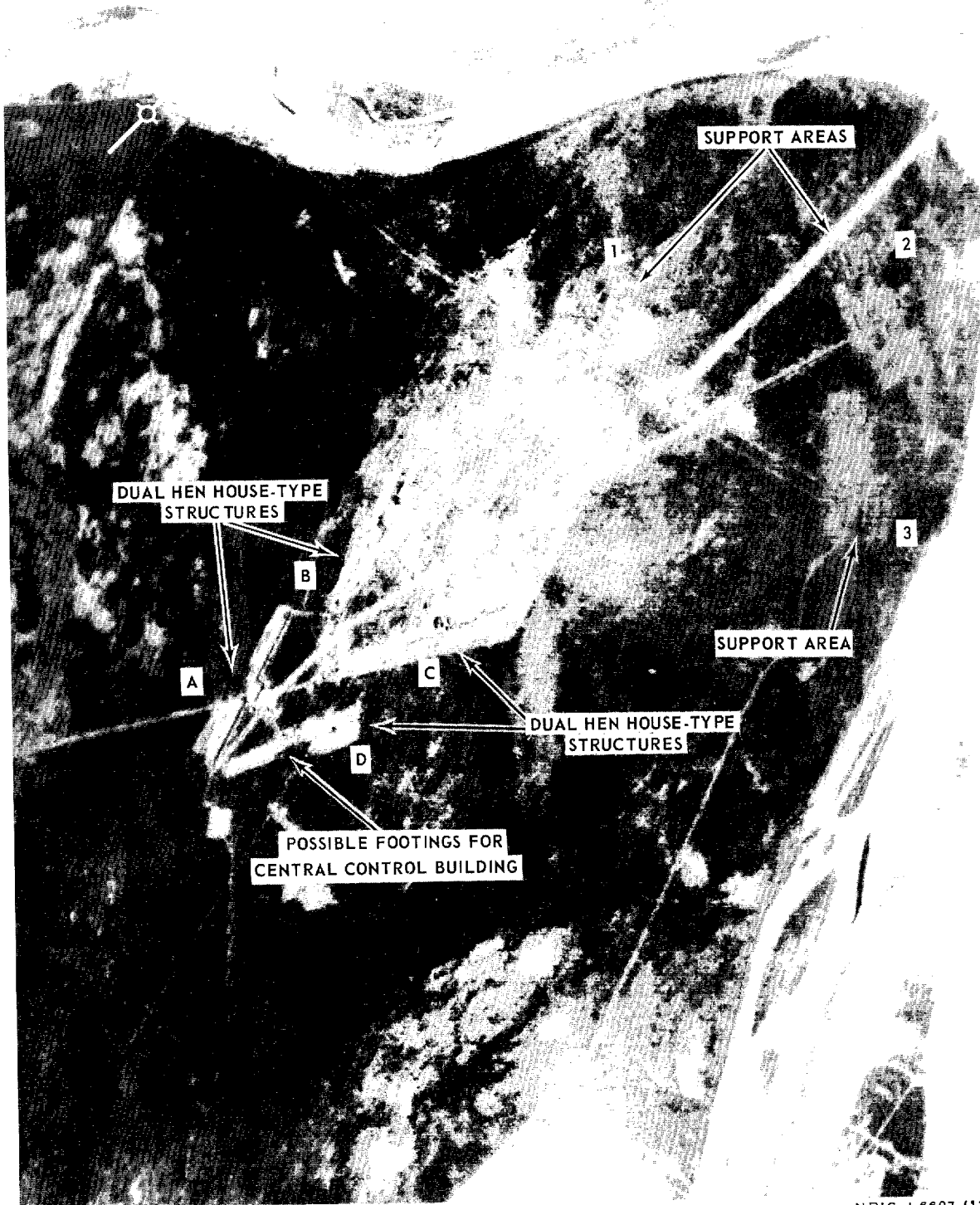
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ATTACHMENT 8



NPIC J-6607 (12/64)

DUAL HEN HOUSE-TYPE STRUCTURES, ANGARSK, USSR

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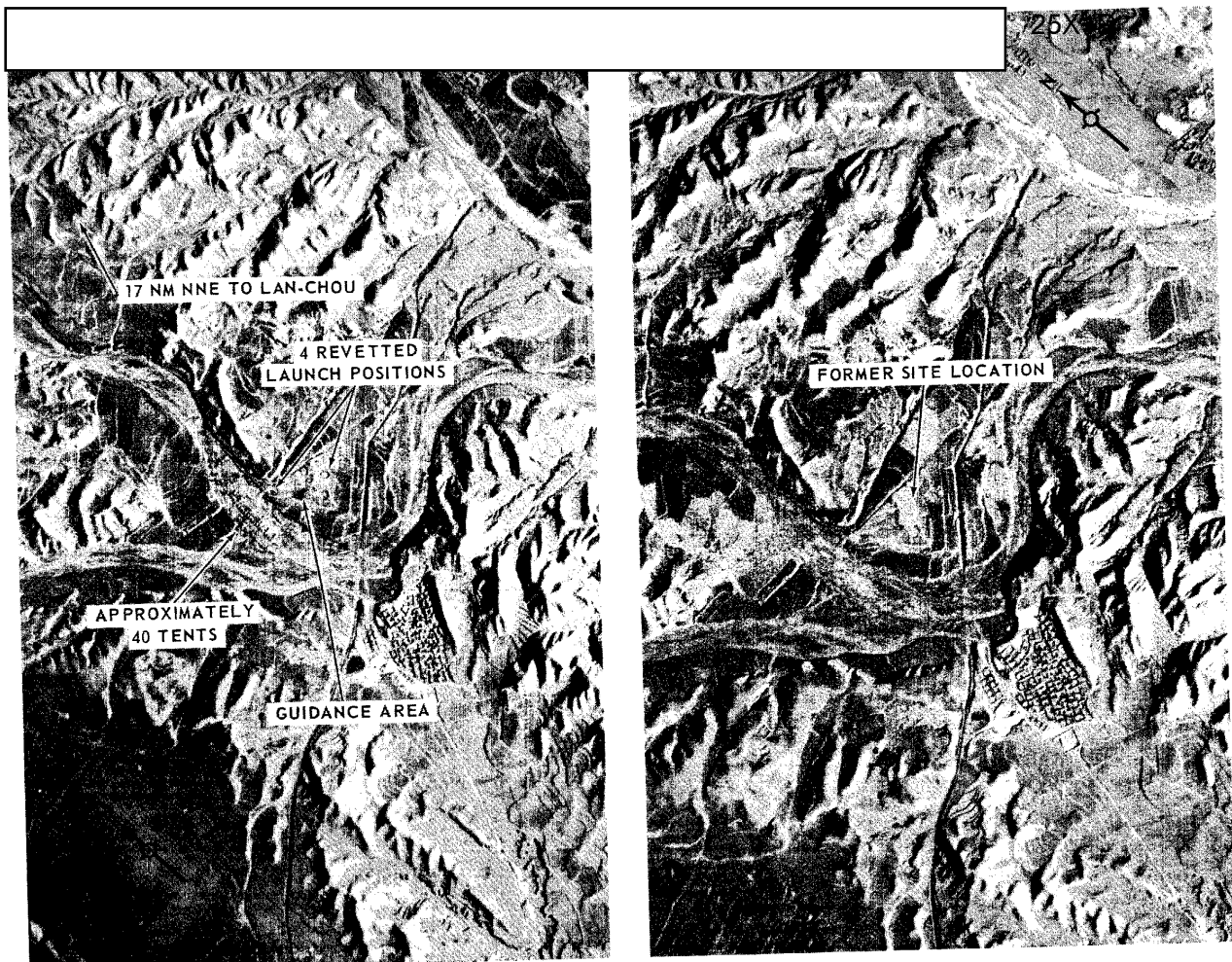
TOP SECRET CHESS RUFF

Handle Via
TALENT KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

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ATTACHMENT 9



NPIC J-6604 (12/64)

SAM SITE B19-2, LAN-CHOU, CHINA

TOP SECRET CHESS RUFF

Handle Via
TALENT KEYHOLE
Control System Only

25X2

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